SEQUENCE LISTING

<110> Viney, Joanne L.
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Buchner, Robert R.

<120> Gene Expression Modulated In Gastrointestinal Inflammation

<130> 99,104-A

<140> 60/138,487
<141> 1999-06-12

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<151> 2000-06-09
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<170> PatentIn Ver. 2.0

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ttgtcccaac tgactacagc ccagccctct aataaagctt cagttgtatt tcacacaaaa 420
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<210> 31
<211> 191
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_12

<400> 31
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agatattttc taaaatctgg atccctaaac atcccaatgt gctgaataaa tacttgtgaa 180
atgcagaaaa a 191

<210> 32
<211> 173
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_13

<400> 32
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gaggatgagg agagctatga cacggagtca gaattcacag aggatgagct gccctatgat 120
gactgtgtgt ttggaggcca gcgtctgaca ttataagtgg aaagtggcaa aaa 173

<210> 33
<211> 311
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_15

<400> 33
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cgcacatgcc gcgacctcaa gatgtgccac tctgactgga agagcggaga gtactggatc 180
gaccctaacc aaggctgcaa cctggacgcc atcaaggtct actgcaacat ggagacaggt 240
cagacctgtg tgttccctac tcagccgtct gtgcctcaga agaactggta catcagcccg 300
aaccccaaaa a 311

<210> 34
<211> 138
<212> DNA
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<220>
<223> IMX2_16

<400> 34
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gaaattctgt cccaaaaa 138

<210> 35
<211> 99
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_20
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gcctcactgg attagaggct ctgctctaca ggataaaaa 99

<210> 36
<211> 109
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_23
<400> 36
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cccacaccaa gaagaatgtg agaggaagta aggtcacttt atgcaaaaa 109

<210> 37
<211> 313
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_24
<400> 37
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cctactgtct ctcgagacct cctactctac ttgaagggta gagctgttcc ttcttgggac 240
tgtccactcc acctgccagt caggacccga tccatagcaa atggaagata cagctctctt 300
gcttacccaa aaa 313

<210> 38
<211> 325
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_25
<400> 38

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ccatctctga aatcgactgg ctgaacctga atgtgtacac ctgccgtgtg gatcacaggg 120
gtctcacctt cttgaagaac gtgtcctcca catgtgctgc cagtccctcc acagacatcc 180
taaccttcac catccccccc tcctttgccg acatcttcct cagcaagtcc gctaacctga 240
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gtggtgaacc actggaaacc aaaaa 325

<210> 39
<211> 294
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_26
<400> 39
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cttcaagctc ctgagccact gcctgctggt gaccttggct agccaccacc ctgccgattt 120
caccccgcg gtgcatgcct ctctggataa attccttgcc tctgtgagca ccgtgctgac 180
ctccaagtac cgttaagctg ccttctgcgg ggcttgcctt ctggccatgc ccttcttctc 240
tcccctgcac ctgtacctct tggtctttga ataaagcctg agtaggaata aaaa 294

<210> 40
<211> 288
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_35
<400> 40
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gagtgagttg caggacagcc agggctacac aaagaagccc tgtcttgaga gaccaaaacc 120
ccaatctaac caaacaaaac caaaaacaaa ccaaaaaaca aaacccaaac aaaacaggtt 180
tttgggaatg ggttgtagtt cagaacactt gtctaatatg ggcaatgctc tgggttccat 240
ctcagcatta cagaaattaa taaaaaacta ttttgggcat aataaaaa 288

<210> 41
<211> 172
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_39
<400> 41
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caattgtgtg accaggattt accactccca tgttgatgct ccaaaagata ttgcatcagg 120
actcatagga cctctaatac tctgtaaaaa aggttctcta tataaggaaa aa 172

<210> 42
<211> 39
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_40
<400> 42
cggcattgta gaacagtgta tatcaatgag ttacaaaaa 39

<210> 43
<211> 150
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_42
<400> 43
cggccaaact ctcaattacc atagatggag aaaccaaagt attccacgac aaaaccaaat 60
tcacacatta tatttccaag aatccagccc ttcaaaggat aataacagga aaaaaaacaa 120
tacaaggaca gaaatcatgc cctagaaaaa 150

<210> 44
<211> 39
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_51
<400> 44
cggtagggta gagtgtcgcc aaggaaaaa 39

<210> 45
<211> 291
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_52
<400> 45
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cctcaagctc ctgagccact gcctgctggt gaccttggct agccaccacc ctgccgattt 120
caccccgcg gtgcatgcct ctctggataa attccttgcc tctgtgagca ccgtgctgac 180
ctccaagtac cgttaagctg ccttctgcgg ggcttgcctt ctggccatgc ccttcttctc 240
tcccttgcac ctgtacctct tggtctttga ataaagcctg agtaggaaaa a 291

<210> 46
<211> 283
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_53
<400> 46
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tcagttgatt gactatcagg tgggtgaagg actctgccct ttatatccct cacagagcga 120
cactggtcag ctctatgata acccttgcca cacttagagc aaagagtgag agtccctccc 180
tgtttatctg gagctctgca atctttctta aaatgcccag gctttccgca attaaaacat 240
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<210> 47
<211> 421
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_58
<400> 47
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gaaaaccact ggggaggaaa ggcttgaaga agggatacac tgtgggggt gatgcaatga 120
tcactctagg acaagagcag gattcctatg ggggaaattt tgatgcaaag caatcctttg 180
ttggggagat atgggatgtt tccttgtggg accatgtggt ccccctagaa aaggtatcag 240
acagctgtaa caatggcaac cttataaact ggcaagctct taattatgaa gacaatggct 300
atgtggtgac taagcccaaa ctgtggcctt aagctaattg ctctatgaaa tataagtctg 360

ctttggttc tgttaaaatg ataatgtgca ttgcattaaa aaagcaaaga aatgtgaaaa 420
a 421

<210> 48
<211> 271
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_59
<400> 48
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tgacaatggc acctggcagg tccacggtgt gaccagcttt gtgtcctcct tgggctgcaa 120
caccctgagg aagcccacag tgttcacccg tgtctcagcc ttcattgact ggattgagga 180
gaccattgcc aacaactaga tccaaggttc ggctggcaga gaggaccccc aggtcctcta 240
aagaataaag acctttctga aagcctaaaa a 271

<210> 49
<211> 418
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_60
<400> 49
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ggaaaaccac tggggaggaa aggcttgaag aagggataca ctgtgggggg tgatgcaatg 120
atcactctag gacaagagca ggattcctat gggggaaatt ttgatgcaaa gcaatccttt 180
gttggggaga tatgggatgt ttccttgtgg gaccatgtgg tccccctaga aaaggtatca 240
gacagctgta acaatggcaa ccttataaac tggcaagctc ttaattatga agacaatggc 300
tatgtggtga ctaagcccaa actgtggcct taagctaatt gctctatgaa atataagtct 360
gcttttggtc tgttaaaatg ataatgggca ttgcattaaa aaagcaaaga aataaaaa 418

<210> 50
<211> 352
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_1
<400> 50
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agtgggaagt gtaggcagtt gtctcaattt tgcctgaatc gccacaggtg agtgcgggcc 120
agcaccctga tgggcacccc agctggagcc tccaaactac accaactcac caccccctgc 180
ctcctccctc taccccaaga gcctacagag tgatcaacat gaaagaatcc tgaaaggaag 240
aggccactgg agggagtcag gcttaaggct aatggtcttc ccaccctggg gagagaggtc 300
tccctaggca ctgctgtggc tgttcagata aatccacatg gtctctcaaa aa 352

<210> 51
<211> 135
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_65
<400> 51
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tggcaaaata gtgagaagat ttttaggtag aggtgaaaag cctaacgagc ttggtgatag 120
ctggttaccc aaaaa 135

<210> 52

<211> 186
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_66
<400> 52
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cacagtgccc gagctgagga cgccatgcgc ctgtactatg tttgcactgc cccacactgc 120
ggccaccgct ggactgagtg atcgttcctt cttccacctg taataaatgc cagtttctac 180
taaaaa 186

<210> 53
<211> 216
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_68A
<400> 53
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tctccagtct aacccgcctg atgtacatct actatttcca ggagagtctg ctcccagaca 120
ctctgccttt ccctccaaaa ccctctcact cccagctcgt gcaaactggt tacacagcag 180
aaacgcaaaa taaagaggtg gctttcgcgg caaaaa 216

<210> 54
<211> 216
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_68B
<400> 54
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ggaggacccc aggttaaccc aatgccagtg acagatgagg tcgtgtgacc ttcagtggct 120
gtctacagct cctgcttgag tttctgtgga gttgtccccc ccccccccagg gtggtgttgc 180
tcactgtaat aaacatgatt aatagctggc taaaaa 216

<210> 55
<211> 100
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_69
<400> 55
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agacatccat ttaataaagt ctcatgctga gagccaaaaa 100

<210> 56
<211> 312
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_71
<400> 56
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ctgactggaa gctgcacatc tgcccactga gctttggtga aaggtccaga ggctttgggg 120
acctctgttc ctgggccacc ctgcccgtgg gcaccctcta ccttggggca cgttctagca 180
ccccattcct gactcctgga agatgcactt gccccgacag ctgggcagca cggctgtcct 240

ctgcagagac tgcctggtcc tcattgtact ttggtggctc aactgaataa agccttgtgg 300
gaagcacaaa aa 312

<210> 57
<211> 374
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_72
<400> 57
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gaatgctcaa catgaccctc tgctgactgg agtgtcttca agtacgaatc ccttcagacc 120
ccagaaagtc tgctcctttt tgtagtcatc tatcttgagg tttctcaaac cacttttcat 180
gaaccagtga atattcaaga gaactaaatt tgaagtctgt acaaaagctt ctctttaaca 240
cgtgccataa tacactatct tctgctcgtc agtccttaac atctacctct ctgaatttca 300
tggatttctg tctcacaagg tttaactatt ttatatacac tggctgtagc atacaataaa 360
gcatcatcca aaaa 374

<210> 58
<211> 251
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_73
<400> 58
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ccgcaaaggc atctttggag actggtccga ctccatctct gccctctact gcaagtgcta 120
ttgatgcctt gaggctctgt ctacccagcc tggccttggg aattgctgta gctccaagag 180
ccaggaggca agatgacccc acgacctgct ctcatagctt ccctgtaata cagccctttc 240
aaaggtaaaa a 251

<210> 59
<211> 248
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_2
<400> 59
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gccagggaca tctgtgaggg gcaggtcaat agccttcctg ggagcatcaa caaggcaggg 120
gagtatattg aagccagtta catgaacctg cagagaccat acacagtggc cattgctggg 180
tatgccctgg ccctgatgaa caaactggag gaaccttacc tcggcaagtt tctgaacaca 240
gccaaaaa 248

<210> 60
<211> 64
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_3

<400> 60
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aaaa 64

<210> 61
<211> 121
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_34

<400> 61
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gcctcgctgg atgaggggct ctgctctaca gggtaaataa aagaaaagct ttttgacagc 120
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<210> 62
<211> 219
<212> DNA
<213> Mus musculus

<220>
<223> IMX2_70

<400> 62
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tgcaactacc cccgcaagcc atccgtcttc accagggtct ccaactacat tgactggatc 120
aactcggtga tggcaaggaa ctaactgaag acattactgc cactgtcccc ctggaaatgc 180
catagaaaag aaatagtaat aaagtaatta aagaatcac 219

<210> 63
<211> 49
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 63
gaattcaact ggaagcggcc cgcaggaatt tttttttttt ttttttvnn 49

<210> 64
<211> 16
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 64
aggtcgacgg tatcgg 16

<210> 65
<211> 16
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence:synthetic primer

<400> 65
ggtcgacggt atcggn 16

<210> 66
<211> 15
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence:synthetic primer

<400> 66
gagctccacc gcggt 15

<210> 67
<211> 16
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence:synthetic primer

<400> 67
cgacggtatc ggnnnn 16

<210> 68
<211> 16
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 68
cgacggtatc ggcgcg 16

<210> 69
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 69
gatcgaatcc ggatacagca gcagctgggc 30

<210> 70
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 70
gatcgaatcc gggctctggg tctattgttc 30

<210> 71
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 71
gatcgaatcc gggggtgcca ggtgtgaggc 30

<210> 72
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 72
gatcgaatcc ggtcatggga actcagtatt 30

<210> 73
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 73
gatcgaatcc ggtgccctgt ctgctctgag 30

<210> 74
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 74
gatcgaatcc ggctccctgt atcccaggct 30

<210> 75
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 75
gatcgaatcc gggggtgcca ggtgtgaggc 30

<210> 76
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 76

gatcgaatcc ggataacagt atgtgtatgt 30

<210> 77
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 77
gatcgaatcc ggccaaactc tcaattacca 30

<210> 78
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 78
gatcgaatcc ggcgcgcacg gggaccagac 30

<210> 79
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 79
gatcgaatcc ggtgtcctgt ctgctctgag 30

<210> 80
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 80
gatcgaatcc ggaaaccccg aaaccaaacg 30

<210> 81
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 81
gatcgaatcc ggacggagga ccacccgtgc 30

<210> 82
<211> 30
<212> DNA

<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 82
gatcgaatcc ggccgtgtgt gccgtaggag 30

<210> 83
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 83
gatcgaatcc gggcatctaa tggccagtgg 30

<210> 84
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 84
gatcgaatcc gggcatccat gggttccaac 30

<210> 85
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 85
gatcgaatcc ggacaccata gagaccctga 30

<210> 86
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 86
gatcgaatcc ggagcaccac atcgatctaa 30

<210> 87
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 87
gatcgaatcc gggcgatggt ggtgtatgcc 30

<210> 88
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 88
gatcgaatcc ggtactgggg aggcacaggc 30

<210> 89
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 89
gatcgaatcc gggatgtggg aaggttagaa 30

<210> 90
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 90
gatcgaatcc ggtagggtag agtgtcgcca 30

<210> 91
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 91
gatcgaatcc ggttcccata tctttgaggg 30

<210> 92
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

primer

<400> 92
gatcgaatcc ggcgatgtac actcgggtca 30

<210> 93
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 93
gatcgaatcc ggcgcgtatc tgtgtgaact 30

<210> 94
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 94
gatcgaatcc ggcggcgata tccagtctgg 30

<210> 95
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 95
gatcgaatcc ggtcctggca gacagacatg 30

<210> 96
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 96
gatcgaatcc ggtgataaga gcaacttcgc 30

<210> 97
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 97
gatcgaatcc ggccgccacc caacaacttt 30

<210> 98
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 98
gatcgaatcc ggccgcccgc agaggtccga 30

<210> 99
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 99
gatcgaatcc ggtaagcatg gcaagacccg 30

<210> 100
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 100
cacagccttc gtcctcatcg cactg 25

<210> 101
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 101
ttgttcatca gggccagggc atacc 25

<210> 102
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 102
tctgaagccc cgtgctccac ccact 25

<210> 103
<211> 21
<212> DNA
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<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 103
tcacggcccc gctcccattc c 21

<210> 104
<211> 22
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<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 104
ccaagtccca ggcctgtctg tt 22

<210> 105
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<220>
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<400> 105
tggtctccac tgtagaaccc ccaaaa 25

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<220>
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<400> 107

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<210> 108
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<220>
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<400> 108
cgacctcaag atgtgccact ctga 24

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<220>
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accagttctt ctgaggcaca gacgg 25

<210> 110
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<400> 110
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<210> 112
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atgaaaaata tggaaaatga taaaa 25

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<220>
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<400> 113
ctaaaatgtt ctacagtgtg gttt 24

<210> 114
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<220>
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<210> 115
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<400> 115
tttatggttc ttccgttgag ggaca 25

<210> 116
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<220>
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<400> 116
gagtctggct ctgggattgc agaa 24

<210> 117
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<220>
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<400> 117
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<210> 118
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<400> 118
ccactgggga ggaaaggctt gaa 23

<210> 119
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<220>
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<400> 119
ccacatggtc ccacaaggaa acatc 25

<210> 120
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<212> DNA
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<220>
<223> Description of Artificial Sequence: synthetic primer

<400> 120
gcaggtgcat ggcatcgtga 20

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<400> 121
ggggacagtg gcagtaatgt cttca 25

<210> 122
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<220>
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<210> 123

<211> 25
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<400> 123
ctggtttgac agagacgcag tagtc 25

<210> 124
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gatcgaatcc ggaaacgggg accgctggtg 30

<210> 125
<211> 30
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 125
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<210> 126
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<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

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<210> 127
<211> 25
<212> DNA
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<223> Description of Artificial Sequence: synthetic primer

<400> 127
cagtgtggag gaagcctggg aggtg 25

<210> 128
<211> 24
<212> DNA
<213> Artificial Sequence

<223> Description of Artificial Sequence: synthetic primer

<400> 128
cacatcgggg gcaggcagac tttc 24

<210> 129
<211> 137
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<220>
<223> Translation of IMX2_4 Extended Sequences, bases 688-947

<400> 129

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			20					25					30		
Val	Pro	Thr	Trp	Ile	Leu	Ala	Leu	Ser	Leu	Ser	Leu	Ala	Gly	Ala	Val
		35					40					45			
Leu	Phe	Ser	Gly	Leu	Val	Ala	Ile	Thr	Val	Leu	Val	Arg	Lys	Ala	Lys
	50					55					60				
Ala	Lys	Asn	Leu	Gln	Lys	Gln	Arg	Glu	Arg	Glu	Ser	Cys	Trp	Ala	Gln
65					70					75					80
Ile	Asn	Phe	Thr	Asn	Thr	Asp	Met	Ser	Phe	Asp	Asn	Ser	Leu	Phe	Ala
				85					90					95	
Ile	Ser	Thr	Lys	Met	Thr	Gln	Glu	Asp	Ser	Val	Ala	Thr	Leu	Asp	Ser
			100					105					110		
Gly	Pro	Arg	Lys	Arg	Pro	Thr	Ser	Ala	Ser	Ser	Ser	Pro	Glu	Pro	Pro
		115					120					125			
Glu	Phe	Ser	Thr	Phe	Arg	Ala	Cys	Gln							
	130					135									